



## Generation and applications of high average power Mid-IR supercontinuum in chalcogenide fibres

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# Generation and Applications of High Average Power Mid-IR Supercontinuum in Chalcogenide Fibres

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Mid-infrared supercontinuum with up to 54.8 mW average power, and maximum bandwidth of 1.77-8.66  $\mu\text{m}$  is demonstrated as a result of pumping tapered chalcogenide photonic crystal fibers with a MHz parametric source at 4  $\mu\text{m}$ .